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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/706,989

11/14/2003

Hiroshi Masuno

Q78463

7370

7590 09/10/2007  
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EXAMINER

SCHNURR, JOHN R

ART UNIT

PAPER NUMBER

2623

MAIL DATE

DELIVERY MODE

09/10/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/706,989	<b>Applicant(s)</b> MASUNO, HIROSHI	
	<b>Examiner</b> John R. Schnurr	<b>Art Unit</b> 2623	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 November 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>See Continuation Sheet</u> . | 6) <input type="checkbox"/> Other: _____  |

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :02/22/2007, 10/15/2004 and 11/14/2003.

### DETAILED ACTION

1. This Office Action is in response to Application No. 10/706,989 filed 11/14/2003.

Claims 1-11 are pending and have been examined.

2. The information disclosure statements (IDS) submitted on 02/22/2007, 10/15/2004 and 11/14/2003 were considered by the examiner.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims **1, 3-7, 9 and 10** are rejected under 35 U.S.C. 102(e) as being anticipated by **Ito et al. (US Patent Application Publication 2002/0004415)**, herein Ito.

Consider **claim 1**, Ito clearly teaches an information communication terminal with a TV telephone function, (**Fig. 2: Radio communication apparatus 50 receives video and telephone signals, [0039] and [0040]**) comprising:

a display data generating section which generates first display data in a general use mode in which a TV telephone function is not used; (**A still image or message may be displayed on display screen 11, [0043], [0047] and [0048].**)

a TV telephone processing section which generates second display data in a TV telephone use mode in which the TV telephone function is used; (**Received video data may be displayed, [0040] and [0046].**)

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a display unit which displays inputted display data; **(Fig. 2: Display screen section 11)**

a first switch provided among said display data generating section, said TV telephone processing section and said display unit; **(Fig. 2 Switch 6)**

a control section which controls said first switch to connect said display data generating section and said display unit in said general use mode such that said first display data is supplied to said display unit and to connect said TV telephone processing section and said display unit in said TV telephone use mode such that said second display data is supplied to said display unit. **(When switch 6 is in the ON position video data is display when it is in the OFF position the image of message is displayed, [0040] and [0047].)**

Consider **claim 3**, Ito clearly teaches said TV telephone processing section comprises:

a first memory; **(Fig. 2 Memory 4)**

a first input circuit connected to said display data generating section, wherein said first input circuit receives said first display data from said display data generating section, carries out a first converting process to said first display data to generate converted display data, and to store in said first memory; **(The still image or message is stored in memory 4, the images may be received from may different sources and inherently must be converted, [0043].)**

a motion picture CODEC circuit which receives compressed motion picture data from a counter end, expands said received compressed motion picture data into expanded motion picture display data, and stores in said first memory; **(The received video data is decoded and displayed, to decode the image data must be buffered in memory, [0044].)**

a camera; **(Fig. 2 Camera 10)**

a second input circuit connected to said camera, wherein said second input circuit receives motion picture display data from said camera, carries out a second converting process to said motion picture display data to generate converted motion picture display data, and to store in said first memory; **(The video data from camera 10 is encoded in encoding section 9, which requires the buffering of the data into memory, [0042].)**

a combining circuit which reads out said converted display data, said expanded motion picture display data and said converted motion picture display data from said first memory to combine or synthesize into said second display data, and outputs said second display data to said first switch. **(Fig. 2: Controller 5 receives the stored data and outputs it to the display screen, [0043], [0047] and [0048].)**

Consider **claim 4**, Ito clearly teaches said motion picture CODEC circuit reads out said converted motion picture display data from said first memory, and compresses said converted motion picture display data into transmission motion picture data, **(The video data from camera 10 is converted into transmission data, ([0042])** and said information communication terminal further comprises: a communication circuit which transmits said transmission motion picture data to said counter end. **([0042])**

Consider **claim 5**, Ito clearly teaches said display unit has a third input circuit which receives said first display data as said inputted display data, said first input circuit achieves a same function as that of said third input circuit. **(A still image or message may be displayed on display screen 11, [0043], [0047] and [0048].)**

Consider **claim 7**, Ito clearly teaches a switching method between a mobile phone function and a TV telephone function, **(Fig. 2: Radio communication apparatus 50 receives video and telephone signals, [0039] and [0040])** comprising:

(a) generating first display data in a mobile phone function mode; **(A still image or message may be displayed on display screen 11, [0043], [0047] and [0048].)**

(b) generating second display data by using a TV telephone function in a TV telephone function mode; **(Received video data may be displayed, [0040] and [0046].)**

(c) connecting said first display data to a display unit in said general use mode such that said first display data is displayed on said display unit; and  
(d) connecting said second display data to said display unit in said TV telephone function mode such that said second display data is displayed on said display unit. **(When switch 6 is in the ON position video data is display when it is in the OFF position the image of message is displayed, [0040] and [0047].)**

Consider **claim 9**, see claim 3.

Consider **claim 10**, see claim 4.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims **2, 6, 8 and 11** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Ito et al. (US Patent Application Publication 2002/0004415)** in view of **Sawachi (US Patent Application Publication 2003/0011704)**.

Consider **claim 2**, Ito clearly teaches preventing the video processing section from consuming power when not being used.

However, Ito does not explicitly teach a power source; and a second switch provided between said TV telephone processing section and said power source, wherein said control section controls said second switch to disconnect said power source from said TV telephone processing section in said general use mode and to connect said power source from said TV telephone processing section in said TV telephone use mode.

In an analogous art Sawachi, which discloses a system for interfacing a digital camera and a mobile phone, clearly teaches a switch placed between a power supply and digital signal processing circuitry to interrupt power when the circuitry is not being used. **(Fig. 4: SW17 prevents power consumption by DSP unit 102, [0059].)**

Therefore, at the time the invention was made, it would have been obvious to one with ordinary skill in the art to modify the system of Ito by disconnecting power from the video processing section when it is not in use, as taught by Sawachi, for the benefit of reducing the power consumed by the device (see [0006]-[0022] Sawachi).

Consider **claim 6**, Ito clearly teaches:

a first memory; **(Fig. 2 Memory 4)**

a first input circuit connected to said display data generating section, wherein said first input circuit receives said first display data from said display data generating section, carries out a first converting process to said first display data to generate converted display data, and to store in said first memory; **(The still image or message is stored in memory 4, the images may be received from may different sources and inherently must be converted, [0043].)**

a motion picture CODEC circuit which receives compressed motion picture data from a counter end, expands said received compressed motion picture data into expanded motion picture display data, and stores in said first memory; **(The received video data is decoded and displayed, to decode the image data must be buffered in memory, [0044].)**

However, Ito does not explicitly teach a second memory.

In an analogous art Sawachi, which discloses a system for interfacing a digital camera and a mobile phone, clearly teaches a device comprising first and second memory devices. **(Fig. 4 Internal memory 110 and Memory card 14)**

Therefore, at the time the invention was made, it would have been obvious to one with ordinary skill in the art to modify the system of Ito by providing first and second memory devices, as taught by Sawachi, for the benefit of providing removable memory.

Consider **claim 8**, see claim 2.

Consider **claim 11**, see claim 6.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John R. Schnurr whose telephone number is (571) 270-1458. The examiner can normally be reached on Monday - Friday, 7:30am to 5:00pm.



If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Grant can be reached on (571) 272-7294. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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